CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.12/CB/CEMENT/2012-13

Date: 04.04.2013

TEST REPORT

CLIENT	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
AGENCY	:	**Mr. C. Basavaraju,** Contractor, Bangalore.
NAME OF THE WORK	:	Providing Cement Concrete Roads at Jarakabande Kaval Slum 5th A Cross, Kammagondanahalli in Ward No.12, BBMP, Bangalore.
REFERENCE	:	BBMP/AEE/SSD/DZ/PR/2012-13
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	186 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	462 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00 %	-

AE W-12

Information is furnished by the Agency

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 15 days from the date of testing.

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthi Ganapathi Nagara,
Basaveshwaranagar,
Bangalore - 560 079

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.12/CB/SAND/2012-13 : 04.04.2013

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

Agency : **Mr. C. Basavaraju,** Contractor, Bangalore.

Name of Work : Providing Cement Concrete Roads at Jarakabande Kaval Slum 5th A Cross, Kammagondanahalli in Ward No.12, BBMP, Bangalore.

Reference : BBMP/AEE/SSD/DZ/PR/2012-13

Date of Testing : 04.04.2013

Material : Sand Total Wt. of Aggregates in gms **2000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	98	4.90	4.90	95.1	90-100
2.36	223	11.15	16.05	84.0	75-100
1.18	512	25.60	41.65	58.4	55-90
600 Micron	422	21.10	62.75	37.3	35-59
300 Micron	492	24.60	87.35	12.7	8-30
150 Micron	217	10.85	98.20	1.8	0-10

Information is furnished by the Agency

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthi Ganapathi Nagara,
Basaveshwaranagar,
Bangalore - 560 079

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

Job No.: CTCE/BBMP/W.No.12/CB/AGG/2012-13 : 04.04.2013

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

Agency : **Mr. C. Basavaraju,** Contractor, Bangalore.

Name of Work : Providing Cement Concrete Roads at Jarakabande Kaval Slum 5th A Cross, Kammagondanahalli in Ward No.12, BBMP, Bangalore.

Reference : BBMP/AEE/SSD/DZ/PR/2012-13

Date of Testing : 04.04.2013

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **20000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	612	3.06	3.06	96.94	95-100
20	11682	58.41	61.47	38.53	30-70
10	5321	26.61	88.08	11.93	10-35
4.75	1987	9.94	98.01	1.99	0-5

Information is furnished by the Agency

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthi Ganapathi Nagara,
Basaveshwaranagara,
Bangalore-560 079.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.12/CB/CUBE/2012-13

15.04.2013

TEST REPORT ON CONCRETE CUBES

Client	: **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
Agency	: **Mr. C. Basavaraju,** Contractor, Bangalore.
Name of the work	: Providing Cement Concrete Roads at Jarakabande Kaval Slum 5th A Cross, Kammagondanahalli in Ward No.12, BBMP, Bangalore.
Reference	: BBMP/AEE/SSD/DZ/PR/2012-13
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.04.2013	15.04.2013	8.269	386.2	17.16
2	08.04.2013	15.04.2013	8.367	393.7	17.50
3	08.04.2013	15.04.2013	8.124	375.4	16.68

Information is furnished by the Agency

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthi Ganapathi Nagara

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.12/CB/CUBE/2012-13

06.05.2013

TEST REPORT ON CONCRETE CUBES

Client : **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

Agency : **Mr. C. Basavaraju,** Contractor, Bangalore.

Name of the work : Providing Cement Concrete Roads at Jarakabande Kaval Slum 5th A Cross, Kammagondanahalli in Ward No.12, BBMP, Bangalore.

Reference : BBMP/AEE/SSD/DZ/PR/2012-13

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.04.2013	06.05.2013	8.357	539.8	23.99
2	08.04.2013	06.05.2013	8.462	543.6	24.16
3	08.04.2013	06.05.2013	8.279	526.9	23.42

Information is furnished by the Agency

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthi Ganapathi Nagara
Basaveshwaranagar,
Bangalore-560 079